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APPLICATION NO.	F	TILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09 834,744		04 12 2001	Behrang Behin	ONX-115A 4274	
27652	7590	04 10 2002			
JOSHUA I	D. ISENB	BERG	EXAMINER		
204 CASTRO LANE FREMONT, CA 94539				GEMMELL, ELIZABETH M	
				ART UNIT	PAPER NUMBER
				2882	
			DATE MAILED: 04:10:2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
. •		09/834,744	BEHIN ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Beth Gemmell	2882				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status							
1)	Responsive to communication(s) filed on 4/12	2/01 .					
2a) [is action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims							
•	4)⊡ Claim(s) <u>1-26</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
6)⊡	☑ Claim(s) <u>25 and 26</u> is/are rejected.						
7)							
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10)⊡ The drawing(s) filed on <u>12 April 2001</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) All b) Some * c) None of:							
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
a) ☐ The translation of the foreign language provisional application has been received. 15) ☑ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
1) Notice	te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) 3	5) Notice of Informal I	y (PTO-413) Paper No(s) Patent Application (PTO-152)				

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DETAILED ACTION

Claim Objections

Claim 26 is objected to because of the following informalities:

• Line 1: "stiction"; should be --friction--

Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 25 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jin et al. (U.S. Patent 6,256,430).

Jin et al. discloses a flap (fig. 1, 10), movable between two different positions (column 1, lines 45+), having magnetic material disposed on the flap (fig 1, 11) and a forced applied to the flap (column 2, lines 42+).

Jin et al. fails to disclose the magnetic material having a stepped pattern and that the applied force on the flap reduces friction.

One skilled in the art at the time the invention was made would recognize that the shape of the magnetic material would have no impact on the functionality of the material. Therefore, it would be obvious to use a magnetic material with a stepped pattern because it would merely constitute a functionality equivalent substitution of a comparable material.

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Although a reduction in friction on the flap is not disclosed it would be obvious to one skilled in the art at the time the invention was made because the skilled artisan would recognize that any mechanical device reduces a portion of the friction applied to the flap.

Allowable Subject Matter

Claims 1-24 are allowable.

The following is a statement of reasons for the indication of allowable subject matter:

Although the prior art discloses a microelectromechanical apparatus having a flap it fails to teach or suggest moving the flap using an electrode disposed in one or more sidewalls.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

• U.S. Patent 6,360,036: discloses the use of electrodes for actuating the flap by thermal, piezoelectric, or electrostatic means.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Beth Gemmell whose telephone number is (703) 305-1937. The examiner can normally be reached on Monday-Thursday 6:30-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (703) 305-3492. The fax phone numbers for the

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organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

emg April 8, 2002 ROBERT H. KIM
SUPERMICIO COTONT EXAMINER
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